## CLAIMS

1. A separating agent for chromatography using a polysaccharide derivative derived from a polysaccharide, wherein:

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the polysaccharide derivative has a structure in which part of hydroxyl groups present in the polysaccharide are crosslinked one another through a crosslinking molecule and non-crosslinked hydroxyl groups present in the polysaccharide are each modified with a modifying molecule; and

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the polysaccharide derivative is not carried on a carrier.

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- The separating agent for chromatography according to claim 1, wherein the polysaccharide is cellulose.
- 3. The separating agent for chromatography according to claim 1, wherein the polysaccharide is amylose.

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4. The separating agent for chromatography according to any one of claims 1 to 3, wherein the crosslinking through a crosslinking molecule is performed between a hydroxyl group at 6-position of a pyranose ring or furanose ring and a hydroxyl group at 6-position of another pyranose ring or furanose ring.

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5. The separating agent for chromatography according to

any one of claims 1 to 4, wherein the crosslinking molecule is a compound having a plurality of isocyanate groups in a molecule.

- 5 6. The separating agent for chromatography according to any one of claims 1 to 5, wherein the modifying molecule is a compound having one isocyanate group in a molecule.
- 7. The separating agent for chromatography according to any one of claims 1 to 6, which is formed into a form of beads.
  - 8. The separating agent for chromatography according to any one of claims 1 to 7, which has pores.

9. A process for producing a separating agent for chromatography, comprising the steps of:

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introducing protective groups into part of hydroxyl
groups present in a polysaccharide;

modifying with a modifying molecule each of hydroxyl groups remained in the polysaccharide having the protective groups introduced;

releasing the introduced protective groups to recover the hydroxyl groups; and

crosslinking the recovered hydroxyl groups to one another through a crosslinking molecule.

10. The process for producing a separating agent for chromatography according to claim 9, further comprising the steps of:

dissolving in a solvent a recovered polysaccharide derivative obtained by recovering the hydroxyl groups in the release step;

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dispersing a porogen in an obtained solution of recovered polysaccharide derivative;

maintaining in a desired form the solution of recovered polysaccharide derivative having the porogen dispersed and removing the solvent to form the recovered polysaccharide derivative in a desired form; and

washing the formed recovered polysaccharide derivative with a washing solvent capable of dissolving the porogen.

11. The process for producing a separating agent for chromatography according to claim 9, wherein the crosslinking step comprises the steps of:

forming a recovered polysaccharide derivative in a form of beads by dissolving in a solvent the recovered polysaccharide derivative obtained by recovering the hydroxyl groups in the modification step to form a solution of recovered polysaccharide derivative, by dropping the solution of recovered polysaccharide derivative into a solution of surfactant, and by stirring the whole; and

crosslinking the recovered polysaccharide

derivative in a form of beads through a crosslinking molecule to form a separating agent for chromatography in a form of beads.

The process for producing a separating agent for chromatography according to claim 11, further comprising the steps of:

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dispersing a porogen in the solution of recovered polysaccharide derivative in the beads formation step; and

washing the formed recovered polysaccharide derivative in a form of beads with a washing solvent capable of dissolving the porogen.

13. A process for producing a separating agent for chromatography, comprising the steps of:

crosslinking part of hydroxyl groups present in the polysaccharide to one another through a crosslinking molecule; and

modifying with a modifying molecule each of hydroxyl groups remained in the polysaccharide crosslinked through the crosslinking molecule.

14. The process for producing a separating agent for chromatography according to claim 13, wherein the polysaccharide crosslinked through the crosslinking molecule in the crosslinking step is formed into a form of beads.